

Attorney Docket No. 03604/LH

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Applicant(s): T. IKEDA

Serial No. : Not yet assigned

Filed : Herewith

For : INK JET RECORDING  
APPARATUS

Art Unit :

Examiner :

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450,  
Alexandria, VA 22313-1450

S I R :

Submitted herewith are copies of the publications identified on the attached Patent Office form PTO/SB/08A.

Japanese Nos. 11-42771 and 11-48493 are identified on page 2 of the specification.

It is respectfully requested that the publications submitted herewith be considered and made of record.

**DISCUSSION**

**Japanese No. 11-42771** - An apparatus for restricting a variation in ink concentration while moisture in ink is extracted when a deaeration is carried out.

**Japanese No. 63-145039** - This invention comprises a deaeration chamber arranged between an ink jet head and an ink supplying tank to have an ink reservoir inside thereof, and a valve arranged above the deaeration chamber to conduct with surrounding atmosphere or shut off surrounding atmosphere.

**Japanese No. 11-48493** - Ink is supplied to the recording head through the deaeration device for heating the ink in the tank to a temperature more than room temperature.

Respectfully submitted,



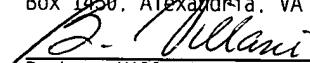
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Barbara Villani

In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by check attached hereto, authorization to charge the extension fee, or any other fee required in connection with this Paper, to Account No. 06-1378.

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PTO/SB/08A (08-00)

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|  |   |    |   |                        |          |
|--|---|----|---|------------------------|----------|
| <b>Substitute for Form 1449A/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | Application Number     |          |
|  |   |    |   | Filing Date            | Herewith |
|  |   |    |   | First Named Inventor   | IKEDA    |
|  |   |    |   | Group Art Unit         |          |
|  |   |    |   | Examiner Name          |          |
| Sheet  | 1 | of | 1 | Attorney Docket Number | 03604/LH |

**U. S. PATENT DOCUMENTS**

| Exam.<br>Init's* | Cite<br>No <sup>1</sup> | Document Number | Kind<br>Code <sup>2</sup> | Name of Patentee or<br>Applicant | Publication Date<br>MM-DD-YYYY | Relevant<br>Portion |
|------------------|-------------------------|-----------------|---------------------------|----------------------------------|--------------------------------|---------------------|
|                  |                         |                 |                           |                                  |                                |                     |

**FOREIGN PATENT DOCUMENTS**

| Exam.<br>Init's* | Cite<br>No <sup>3</sup> | Offc <sup>4</sup> | Document Number <sup>4</sup> | Kind<br>Code <sup>5</sup> | Name of Patentee or<br>Applicant | Publication<br>Date MM-DD-YYYY | Relevant<br>Portion | T <sup>6</sup> |
|------------------|-------------------------|-------------------|------------------------------|---------------------------|----------------------------------|--------------------------------|---------------------|----------------|
|                  |                         | JP                | 63-145039                    | A                         | TAKAHASHI                        | 06-17-1988                     |                     | X*             |
|                  |                         | JP                | 11-042771                    | A                         | SHIGEMURA                        | 02-16-1999                     |                     | X*             |
|                  |                         | JP                | 11-48493                     | A                         | MOCHIZUKI                        | 02-23-1999                     |                     | X*             |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE MAILED: **October 20, 2003**